



State of Utah

Department of Natural Resources

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November 3, 2006

To: File

From: Doug Jensen 

Subject: Highwall Variance, Staker & Parson Companies, Beck Street Quarry,
M/035/019, Salt Lake County, Utah

A variance has been granted to Staker & Parson for their Beck Street Quarry. This variance only applies to the southern portion of the quarry.

In 2005, IGES undertook an investigation of this portion of the quarry. This investigation included two continuously cored borings and several geophysical lines. Down hole video logging was also performed within these borings. The core samples were tested in the lab to evaluate physical and engineering properties.

The proposed final highwall design for the southern portion of the mining area reflects the IGES study, with a proposed overall slope of approximately 58 degrees, comprised of 20 foot wide, 100 foot high benches. Deterministic factors of safety of 1.7 and 2.1 were computed for various methods to assess stability

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